



EXPRESS MAIL NO. EL615208184US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Donald D. MONTGOMERY

Application Serial No. 09/394,138

Filed: September 10, 1999

For: **ELECTROCHEMICAL SOLID  
PHASE SYNTHESIS**

Art Unit: 1741

Examiner: Smith Hicks, E.

Attorney's Docket No. 16650004US02

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AMENDMENT AND RESPONSE

Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is in response to the Office Action mailed from the U.S. Patent and Trademark Office on August 16, 2000 setting forth a three-month period for response thereby making the due date November 16, 2000. Applicant submits herewith a Petition for Extension of Time for three months thereby extending the due date from November 16, 2000 to February 16, 2001 together with the appropriate extension of time fee of \$445.00 for a small entity pursuant to 37 C.F.R. §1.17(a). It is believed that no additional fees are due in order to maintain the pendency of the application. However, if any additional fees are due, please charge them to Howrey Simon Arnold & White's Deposit Account No. 08-3038.

IN THE CLAIMS:

1. (Amended) A method for electrochemical synthesis of a polymeric [placement of a] material at a specific location on a substrate, which comprises the steps of:

providing a substrate having at its surface at least one electrode that is proximate to at least one molecule bearing at least one protected chemical functional group,

applying a potential to said electrode sufficient to generate electrochemical reagents capable of deprotecting at least one of the protected chemical functional groups of said molecule, and

bonding the deprotected chemical functional group with a monomer or a pre-formed molecule.

10. (Twice Amended) A method for electrochemical synthesis of an array of separately formed polymers on a substrate, which comprises the steps of:

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